

of 1:0.5-1:20 (preferably 1:1-1:4).

Preferred Process: The ingredients of the inclusion complex are preferably co-ground in a high-energy mill.

ABEX

UPTX: 19991116

SPECIFIC COMPOUNDS - The water-soluble complexing agents are alpha, beta, gamma-cyclodextrin or their derivatives, or sodium carboxymethylamide. The hydrophilic linear polymers are polyvinylpyrrolidone (PVP), cellulose and their derivatives. The swelling reticulated polymers insoluble in water are reticulated polyvinylpyrrolidone (PVP XL), reticulated cyclodextrins, reticulated carboxymethylamide or dextrans.

ADMINISTRATION - Administration is oral, buccal (both claimed), parenteral, rectal, nasal, ocular or vaginal. The composition may be formulated in hard-gelatine or soft-gelatine capsules; rapid-dissolution, coated, sugar-coated, slow-release, enteric-coated or lyophilized tablets; granulates; suppositories; and solutions such as nasal sprays, drops or syrups (claimed). Dosage is 0.1-100 (preferably 1-10) mg per day.

EXAMPLE - Melatonin (232 g) and beta-cyclodextrin (5130 g) in a 1:4 molar ratio were dry mixed and transferred into a high-energy mill for 4 hours. The grinding time was set according to the degree of amorphism and the desired residual crystallinity. The product was poured and sieved on a 5000-mesh sieve.

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(FILE 'HOME' ENTERED AT 13:23:11 ON 10 AUG 2005)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 13:23:19 ON 10 AUG 2005

L1 1 S US20050159492/PN OR (US2004-505138# OR WO2003-EP1650 OR DE200
L2 27222 S POLYVINYL PYRROLIDON? OR POLY() (VINYL PYRROLIDON? OR VINYL PYRR
L3 1309 S POLY() N() (VINYL PYRROLIDON? OR VINYL PYRROLIDON?)

FILE 'REGISTRY' ENTERED AT 13:28:10 ON 10 AUG 2005

L4 1 S 9003-39-8
L5 1 S 88-12-0
L6 1 S 9036-21-9

FILE 'HCAPLUS' ENTERED AT 13:29:01 ON 10 AUG 2005

L7 29637 S L4 OR L5
L8 38236 S L2, L3, L7
L9 5890 S L6
L10 1649 S (PDE OR PHOSPHODIESTERASE OR PHOSPHO DIESTERASE OR PHOSPHO DI
L11 26426 S PDE OR PHOSPHODIESTERASE OR PHOSPHO DIESTERASE OR PHOSPHO DI
L12 989 S PDE4 OR PDEIV
L13 26605 S L9-L12
L14 32 S L8 AND L13
E DIETRICH R/AU
L15 148 S E3-E8, E12
E NEY H/AU
L16 16 S E3, E4
E EISTETTER K/AU
L17 50 S E3, E4
E EISTETER K/AU
L18 2 S L1, L15-L17 AND L14
L19 1796 S POVIDONE
L20 9 S POVIDON

L21 39246 S L19,L20,L8
 L22 33 S L21 AND L13
 L23 2 S L15-L17,L1 AND L22
 SEL RN L1

FILE 'REGISTRY' ENTERED AT 13:33:22 ON 10 AUG 2005

L24 3 S E1-E3
 L25 STR
 L26 50 S L25 CSS
 L27 3683 S L25 CSS FUL
 SAV L27 SILVER505/A
 L28 STR L25
 L29 10 S L28 CSS SAM SUB=L27
 L30 248 S L28 CSS FUL SUB=L27
 SAV L30 SILVER505A/A
 L31 STR L25
 L32 STR L31
 L33 2 S L32 CSS SAM SUB=L30
 L34 145 S L32 FUL SUB=L30
 SAV L34 SILVER505B/A
 L35 74 S L30 AND NC5/ES
 L36 52 S L35 AND 1/NC
 L37 2 S L36 AND (C27H24N2O4 OR C29H34N2O3)
 L38 50 S L36 NOT L37
 L39 22 S L35 NOT L36
 L40 4 S L39 NOT MXS/CI
 L41 18 S L39 NOT L40
 L42 2 S L24 AND L27
 L43 198 S L34,L38,L40,L42
 SAV L43 SILVER505C/A

FILE 'HCAOLD' ENTERED AT 14:03:53 ON 10 AUG 2005

L44 0 S L43

FILE 'HCAPLUS' ENTERED AT 14:03:57 ON 10 AUG 2005

L45 224 S L43
 L46 19197 S ROFLUMILAST OR BYK20869 OR BYK() (20869 OR 20 869) OR BY217 OR
 L47 88 S RP73401 OR RP() (73401 OR 73 401)
 L48 43 S PICLAMILAST
 L49 19339 S L45-L48
 L50 52 S L21 AND L49
 L51 2 S L15-L17,L1 AND L50
 L52 2 S L23,L51
 L53 82 S L22,L50
 L54 67 S L53 AND (PD<=20030219 OR PRD<=20030219 OR AD<=20030219)
 L55 10891 S PVP OR POLYVIDON# OR POLY VIDON#
 L56 8 S L55 AND L13
 L57 18 S L55 AND L49
 L58 1 S L1,L15-L17 AND L56,L57
 L59 2 S L52,L58
 L60 22 S L56,L57 AND (PD<=20030219 OR PRD<=20030219 OR AD<=20030219)
 L61 74 S L54,L60
 L62 13 S L61 AND ?TABLET?
 L63 11 S L62 NOT L59
 SEL DN AN 4 8
 L64 2 S L63 AND E4-E9
 L65 3 S (CROSPovidon# OR CROS POVIDON##) AND L13
 L66 0 S (CROSPovidon# OR CROS POVIDON##) AND L49
 SEL DN AN 2 L65
 L67 1 S L65 AND E10-E12

L68 4 S L59,L64,L67 AND L1-L3,L7-L23,L45-L67
 L69 123 S L49 AND IMMEDIAT? (L) (RELEAS? OR ACT?)
 L70 19 S L69 AND INHIBIT?
 SEL DN AN 7 6 L70
 L71 2 S L70 AND E13-E18
 E DRUG CELIVERY/CT
 L72 10916 S E7+OLD,NT (L) CONTROL? RELEAS?
 L73 462 S E7+OLD,NT (L) IMMEDIAT? RELEAS?
 L74 11 S L72,L73 AND L49
 SEL DN AN 5 6
 L75 2 S L74 AND E1-E6
 L76 6 S L68,L71,L75 AND L1-L3,L7-L23,L45-L75
 SEL HIT RN

FILE 'REGISTRY' ENTERED AT 15:18:41 ON 10 AUG 2005
 L77 4 S E7-E10

FILE 'REGISTRY' ENTERED AT 15:19:12 ON 10 AUG 2005

FILE 'HCAPLUS' ENTERED AT 15:19:54 ON 10 AUG 2005

FILE 'WPIX' ENTERED AT 15:21:29 ON 10 AUG 2005
 L78 20202 S L2/BI,ABEX OR L3/BI,ABEX OR L19/BI,ABEX OR L20/BI,ABEX OR L55
 L79 5531 S (A04-D05 OR A04-D05A)/MC
 E PVP/DCN
 E POLYVINYL/DCN
 E E8+ALL
 L80 2450 S E2 OR 0546/DRN
 L81 22276 S L78-L80
 L82 1 S L1
 E POLYVINYL/CN
 L83 2 S E18,E19
 L84 2710 S RA00D5/DCN
 L85 22460 S L81,L84
 L86 3043 S L10/BI,ABEX OR L11/BI,ABEX OR L12/BI,ABEX
 E PHOSPHODIESTERASE/CN
 L87 3646 S L46/BI,ABEX OR L47/BI,ABEX OR L48/BI,ABEX
 E ROFLUMILAST/CN
 L88 2 S E3-E5
 SEL SDCN
 EDIT /SDCN /DCN
 L89 74 S E1-E2
 L90 22 S L84 AND L86-L89
 L91 11 S L90 AND ?TABLET?/BI,ABEX
 E A61K009-20/IC, ICM, ICS
 L92 7 S L90 AND E3-E30
 L93 7 S L90 AND R038/M0,M1,M2,M3,M4,M5,M6
 L94 6 S L90 AND (B12-M11? OR C12-M11?)/MC
 L95 13 S L91-L94
 L96 9 S L90 NOT L95
 SEL DN AN 5
 L97 1 S E1-E2 AND L96
 L98 14 S L82,L95,L97
 L99 14 S L98 AND ?PYRROLID?/BI,ABEX

FILE 'WPIX' ENTERED AT 15:33:16 ON 10 AUG 2005

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